# BRUSH RESOURCES, INC. Topaz Mine - Delta, Utah

# Application for Class IIIb Landfill Permit by Rule

Prepared by:
JBR Environmental Consultants, Inc.
8160 South Highland Drive
Sandy, Utah 84093

Submitted June 7, 2002 Re-Submitted July 10, 2002



8160 South Highland Drive • Sandy, Utah 84093 • (801) 943-4144 • Fax (801) 942-1852

July 10, 2002

Mr. Dennis Downs Utah Division of Solid and Hazardous Waste 288 North 1460 West P.O. Box 144880 Salt Lake City, Utah 84114-4880

Attention: Mr. Jerry Parkin

Re: Re-submittal for Application for Permit By Rule for a Class IIIb Landfill

Dear Mr. Downs:

On behalf of Brush Resources, Inc. (Brush), JBR Environmental Consultants, Inc. (JBR) is resubmitting this application for a permit by rule for the existing Class IIIb landfill at the mine site near Delta, Utah. The mine is located about 50 miles west of the mill, which is about 10 miles north of Delta. The mine operates under a current permit from the Utah Division of Oil, Gas, and Mining (DOGM). According to R315-318-2 (b), the mine qualifies to be permitted by rule due to the existence of the current DOGM permit.

On June 26, 2002, I met with Jerry Parkin of your office to discuss the documents Brush needs to submit in order to obtain the permit by rule. Jerry and I reviewed the "Permit By Rule Checklist for Class IIIb Landfill", and, as a result of this review, JBR is submitting all of the necessary information.

Enclosed you will find a modified checklist that addresses each item in the checklist provided by DSHW. You will also find a copy of Brush's Division of Oil, Gas, and Mining permit, the reclamation plan, the financial assurance documents, and the most recent Solid Waste Landfill Annual Report submitted by Brush in February 2002.

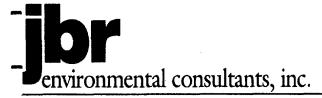
If you have any questions regarding this application for a permit by rule for the mine site, please do not hesitate to call either Dan Perry (Brush), at 435-864-1237, or myself at 943-4144.

Regards,

Dawn Whaley

JBR Environmental Consultants, Inc.

Cc: Dan Perry - Brush



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June 7, 2002

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Re: Application for Permit By Rule for a Class IIIb Landfill

Dear Mr. Downs:

On behalf of Brush Resources, Inc. (Brush), JBR Environmental Consultants, Inc. (JBR) is submitting this application for a permit by rule for the existing Class IIIb landfill at the mine site near Delta, Utah. The mine is located about 50 miles west of the mill, which is about 10 miles north of Delta. The mine operates under a current permit from the Utah Division of Oil, Gas, and Mining (DOGM). According to R315-318-2 (b), the mine qualifies to be permitted by rule due to the existence of the current DOGM permit.

Attached to this letter are the following documents: Copies of the current DOGM permit, the reclamation plan, the financial assurance documents, and the most recent Solid Waste Landfill Annual report.

If you have any questions regarding this application for a permit by rule, please do not hesitate to call either Dan Perry (Brush), at 435-864-1237, or myself at 943-4144.

Regards,

Dawn Whaley

JBR Environmental Consultants, Inc.

Cc: Dan Perry - Brush

### 1.0 Introduction

With this modified *Checklist for Class IIIb Landfill, Permit By Rule*, Brush Resources, Inc. (formally Brush Wellman, Inc.) is submitting the enclosed application for Permit By Rule for the mine landfill, in accordance with the State of Utah, Division of Solid and Hazardous Waste's (DSHW) R315-318-2 (b) Rule. The following pages contain: Section I - the current DOGM permit and reclamation plan, Section II - the financial assurance documents, and Section III - the 2002 Solid Waste Annual Landfill Report.

### 2.0 Name and Address of Industry

Brush Resources, Inc. P. O. Box 815 Delta, Utah 84624

Parent Company: Brush Resources, Inc. 17876 St. Clair Avenue Cleveland, Ohio 44110

### 3.0 Regulating Agency Other than Division of Solid and Hazardous Waste

Utah Division of Oil, Gas, and Mining

### 4.0 Site Location

Section 8, Range 12 West, Township 13 South, NE  $\frac{1}{4}$  NE  $\frac{1}{4}$ , Latitude: 39°42'35" N, Longitude: 113°12'54" W

### 5.0 Location Standards of R315-304-4(2)

Exempt for Class IIIb existing landfills.

## 6.0 Run on/run off controls for a 25 year storm that meet the requirements of R315-305-4(3)

Refer to Section I, correspondence dated January 7, 1999, between Brush and DOGM. The berms that will be constructed will meet the run on, run off controls for a 25 year storm.

## 7.0 Description of acceptable waste stream and plan to prevent disposal of unacceptable waste

The landfill accepts only non-hazardous waste and construction and demolition debris that is generated onsite. The debris includes trash and occasional office waste. It is not accessible to the public and controlled by fencing, locked gates, and remoteness of location.

### 8.0 Annual report to up-date status of landfill and report amount of waste disposed

The 2002 Annual Report is located in Section III.

### 9.0 Closure - Final cover and revegetation must meet requirements of R315-3-5-5(5)(b)

Refer to DOGM permit, Section I for final cover and revegetation plan. Final cover will consist of a minimum of 18 inches of fill and a minimum of 6 inches of topsoil. On June 13, 2002, David Whitaker, Bureau of Land Management Office in Fillmore, Utah, recommended the following seed mix and application rate. Seeding will be by broadcast method at a rate of 10 pounds per acre, and seed will consist of:

Indian Rice Grass, variety nezpar	Oryzopsis hymenoides	1.5 lbs
Western Wheat Grass, variety arriba	Agropyron smithii	1.5 lbs
Crested Wheat Grass, variety hycrest	Agropyron cristatum	1.5 lbs
Squirrel Tail	Sitanion hystrix	1.5 lbs
Apar Lewis Flax	Linum lewisii	2.0 lbs
Four Wing Saltbush	Atriplex canescens	2.0 lbs

### 10.0 Change in record of title as required by R315-302-2(6)

Brush will, within 60 days after certification of closure, notify the Juab County Recorder to file proof of closure as outlined in R315-302-2(6).

### 11.0 Post Closure care that generally meets the requirements of R315-302-3(5)

Brush will provide post closure activities that will include, at a minimum, monitoring of land and water, for a period of 30 years, or as long as the Executive Secretary determines is necessary for the facility or unit to become stabilized and to protect human health and environment.

### 12.0 Financial assurance that generally meets the requirements of R315-309

Refer to Section II for the financial assurance documents that are required by DOGM.

# Section I DOGM Permit and Reclamation Plan



# State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt Governor Kathleen Clarke Executive Director Lowell P. Braxton Division Director

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

January 7, 1999

Greg Hawkins, Mine Manager Brush Wellman Inc. P.O. Box 815 Delta, Utah 84624

Re: Conditional Approval of Amendment to Large Mining Operations, Brush Wellman Inc., Topaz Beryllium Mine, M/023/003, Juab County, Utah

Dear Mr. Hawkins:

The Division has completed a review of your permit amendment to the approved Topaz Beryllium Mine mining and reclamation plan, located in Juab County, Utah. The application was originally received August 26, 1998. We hereby grant *conditional approval* of this permit amendment.

The amendment was submitted based upon a required change in mine plan scheduling. The change will result in the enhancement of the mine plan by including some pits which were previously planned to be mined, but where the footprint was originally considered too small to feasibly mine at current day production levels.

As a consequence of this change, the new proposed Rainbow #2 pit will include most of the area involved with the previously approved Rainbow #2 and #3 pits. Similarly, the proposed Section 16 South #1 pit will now include the area of the currently approved Section 16 - North #2 and South #1 pits. The current steady state reclamation surety amount is based on a complex balance sheet of projected mine development activities with concurrent reclamation and release of reclaimed areas. With the development changes proposed in this amendment, this steady state bond amount will be exceeded for an estimated four year period. Eventually annual concurrent reclamation of the disturbed/mined out areas will again catch up with the approved mine development sequence.

Other changes under this amendment will include an overall enhancement of the reclamation plan. As the areas to be mined become better defined, the operator can implement improved land forming and recontouring ideas to improve blending the reclaimed areas into the surrounding topography. The operator has also suggested the use of substitute growth materials (i.e., gravel deposits in the Rainbow expansion area) to enhance reclamation of areas which would normally have had little or no topsoil applied. The gravel should improve soil textures and provide some additional fine soil material which will enhance successful reclamation of disturbed areas. This amendment improves and redefines the existing plan with a more realistic mining scenario and an enhanced reclamation plan.

Page 2 Greg Hawkins M/023/003 January 7, 1999

These areas have been field verified and approved by the Division and are now included as part of the reclamation plan. The following mine plan acreages and surety figures have also been changed:

- Newly proposed disturbed area outside of the original pit boundaries is; 10 acres for the Section 16 South #1, and 12 acres on the Rainbow #2 for a *total* of 22 acres. The total permitted acreage for the entire mine is 1189 acres.
- \$179,400 (year 2000 dollars) escalated surety amount has been calculated for this amendment. This dollar amount is in addition to the originally approved \$311,300 self bond surety amount. This additional surety will be held by the Division until the concurrent regrading and reclamation activities again balance out with the projected annual mine development sequence. This additional surety amount is acceptable to the Division, BLM, and SITLA and could be posted as a separate surety bond.

An additional \$27,400 reclamation surety amount will also be required for years 2001-2003. This surety will remain in effect until the self bond comes up for review in 2003 (see attached calculation sheets). This additional amount was not contemplated in the initial amendment submitted by Brush Wellman. After we reviewed the original 1988 plan and surety calculations, Brush Wellman was contacted and agreed that an additional \$27,400 surety amount would be acceptable to cover the proposed changes in mining and reclamation scheduling for years 2001-2003. We contacted Ron Teseneer of the BLM and Will Stokes of SITLA and received their concurrence on this supplemental bonding amount. The self bond will be reevaluated in 2003 and all bonding parameters will be updated at that time.

The additional adjustments to the existing steady state bond amount are based upon an updated chronological schedule for mining the Rainbow #2 and the Section 16 - South #1 deposits. The original approved permit application anticipated mining these areas, (with the exception of @22 new acres), but under a different development schedule.

As a result of these scheduling changes and the need for additional ore earlier than anticipated, the reclamation costs are reflected differently in terms of the years in which they are encountered. Attached is Table 8.0-1 "Projected Reclamation Liability Incurrence and Release Dates, updated August 1998" and Table 8.0-2 "Cumulative Reclamation Liability with Data from Updated Table 8.0-1." Both of these tables show the maximum liability to occur in the year 2000 at \$295,000. These tables are also the source of the information used to calculate the excess surety over and above the self bond. It is our understanding that appropriate archeological and threatened and endangered (T & E) plant clearances have been obtained for any new disturbances proposed on federal and state lands.

Brush Wellman will need to formally notify us of its acceptance to the additional bonding requirements for the years 2001-2003. You do not need to post the supplemental \$27,400 (year 2001-2003) surety amount at this time. However, before we can grant final approval of this amendment, we will need to receive the additional \$179,400 surety and complete an updated Reclamation Contract form.

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As always, our approval does not grant permission to proceed ahead with this amendment without first obtaining the required permits or approvals from all appropriate federal, state and local regulatory entities. If you have any questions in this regard please contact me or Tom Munson of the Minerals Staff. If you wish to arrange a meeting to sit down and discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

D. Wayne Hedberg Permit Supervisor

Minerals Regulatory Program

jb
Attachments: Calculation sheet; tables 8.0-1 & 8.0-2, Brush bonding calculations;
DOGM 1988 bonding figures (2); Map (plate 2.0-1C);
Forms MR-6 and MR-RC

cc: Will Stokes, SITLA
Ron Tessner, BLM
Mary Ann Wright, DOGM w/o attachments
m23-03.rev

Work (	Compl	leted
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diam's	1991	Section 16 N #1	Construct Pit Berm 1991 Total	\$ \$	200.00 200.00	1992 (1)
	<del>1993</del> - <u>1996</u>	Monitor -#4 #3Pit Monitor Dump	Construct Pit Berm Topsoil 1/3 Dump Reveg 1/3 Dump 19931996Total	\$	200.00 66,800.00 13,200.00 <del>80,200.00</del>	<del>1994-</del> 1998 <del>1994-</del> 1998 <del>1997-</del> 2001
gg/max	1994-1996	Blue Chalk S N #2 Pit	Construct Pit Berm 1994 1996 Total	\$	200.00 80,400.00	<del>1995-</del> 1998
	2000/2001 1988	Rainbow #1 Pit	Cover Tuff Disposal Cell Reveg Backfilled Pit	<u>\$</u> \$	2,950.00 5,050.00	2001 2004
-	<del>1997</del>	Rainbow #2 Pit Rainbow Dump	Construct Pit Berm Rip 1/2 Dump Top Reveg 1/2 Dump	\$ \$ \$ \$	200.00 5,800.00 8,400.00	2001-1998 2004-2019 2004-2022
		Expanded Dump	Rip Dump Top Reveg Dump	<u>\$</u> \$	3,400.00 4,924.00	<u>2004</u> <u>2004</u>
هشم	<del>1998</del>	Sec 16 S #1 Pit Sec 16 N #1 & 2 Sec 16 N #1 & 2 & S #1	Construct Pit Berm Construct Pit Berm Topsoil 4/3 -63% Backfilled Pit Reveg 4/3 63% Backfilled Pit	\$ \$ \$ \$	200.00 400.00 27,027.00 5,481.00	2001-2006 2001-2006 2001-1999 2004-2002
		Sec 16 Dump	Topsoil 4/3 37% Dump Topsoil Remainder 2001 Dump Reveg 4/3 37%Dump	\$ \$ \$	47,654.00 81,143.00 9,074.00	2001-1999 2010 2004
	<del>199</del> 8	3 Blue Chalk-S-#2-Pit	Reveg Remainder 2001 Dump Cover-Tuff Disposal Cell Reveg Backfilled Pit 1998-Incurred but not reclaimed until 2000/2001 Total	\$ \$	15,451.00 -4,900.00 -8,800.00	2013 2017 2020
<u>,</u>	. 200	4 Roadside/Fluro #4 Pit Roadside I&II	Construct Pit Berm Topsoil 1/2 Backfilled Pit Reveg 1/2 Backfilled Pit	\$ \$ \$ \$	217,154.00 100.00 28,900.00 9,600.00	2005 2005 2008
part .	•	Roadslde/Fluro Pit	Cover Tuff Disposal Cell 2004 Total	\$	7,100.00 45,700.00	2008
-	<del>2001</del> 200	5 Monitor #2 Pit Monitor Dump	Construct Pit Berm Topsoil 1/3 Dump Reveg 1/3 Dump	\$ \$ \$	100.00 66,800.00 13,200.00	2005 2002 2006 2002 2009 2005
,		<del>2</del> Blue Chalk <del>N</del> S #2 Pit <del>5 Sec 16 Dump</del>	Construct Pit Berm Topsoil-1/3-Backfilled Pit Reveg-1/3-Backfilled Pit Topsoil-1/3-Dump	\$ \$ \$ \$ \$	200.00 -14,300.00 2,900.00 -59,800.00	2003 2006 2009 2006
^	•		Reveg 1/3 Dump 2005 Total	\$	11,400.00 -88,600.00	<del>5008</del>

# PABLE 8.0-1 PRQ CIED RECLAMATION, TBILITY INCURRENCE AND RÉLEASE DATIES

<u> </u>	2008 Fluro #2 Pit Fluro #1 Pit	Construct Pit Berm Cover Tuff Disposal Cell Reveg Backfilled Pit	\$ 100.00 \$ 1,300.00 \$ 2,000.00	2009 2008 2011
_	Roadside I&II 1 Roadside I&II (cont.)	Topsoil 1/2 Backfilled Pit Reveg 1/2 Backfilled Pit 2008 Total	\$ 28,900.00 \$ 9,600.00 \$ 38,600.00	2009 2012
\$100 E	2009 Sec 16 S #2 Pit Sec 16 Dump	Construct Pit Berm Topsoil 4/3 63% Dump Reveg 4/3 63% Dump	\$ 100.00 \$ 54,191.00 \$ 10,319.00	2010 2010 2013
		Topsoil 4/3 37% Backfilled Pit Reveg 4/3 37% Backfilled Pit 2009 Total	\$ 15,873.00 \$ 3,219.00 \$ 83,702.00	2010 2013
200	<del>2012 Rainbow #3 Pit</del> 002000	Construct Pit-Berm	\$ 200.00	<del>2013</del>
-	<del>Rainbow Dump</del>	<del>Rip 1/2 Dump Top</del> <del>Reveg 1/2 Dump</del> <del>2012 Total</del>	- <del>\$5,800.00</del> - <del>\$8,400.00</del> - <del>\$14,400.00</del>	2004 <b>2019</b> 2004 <b>-2022</b>
	2013 Blue Chalk N #3 Pit 1998 Blue Chalk N #2 Pit	Construct Pit Berm Cover Tuff Disposal Cell Reveg Backfilled Pit 2013 Total	\$ 100.00 \$ 4,900.00 \$ 8,800.00 \$ 100.00	2014 2017 2020
÷	2016 Monitor #3 #1 Pit Monitor Dump	Construct Pit Berm Topsoil 1/3 Dump Reveg 1/3 Dump 2016 Total	\$ 200.00 \$ 66,800.00 \$ 13,200.00 \$ 80,200.00	2017 2017 2020
, mais	2017 Blue Chalk S #3 Pit	Construct Pit Berm 2011 Total	\$ 200.00 \$ 200.00	2018
-	2020 Camp #1 Pit Camp Dump	Construct Pit Berm Topsoil Dump Reveg Dump 2020 Total	\$ 300.00 \$ 62,900.00 \$ 14,700.00 \$ 77,900.00	2021 2021 2024
	2024 Southwind #1 Pit Southwind Dump	Construct Pit Berm Topsoil Dump Reveg Dump 2024 Total	\$ 400.00 \$ 72,300.00 \$ 18,900.00 \$ 91,600.00	2025 2025 2028
<b></b>	2030 Sec 16 N #3	Construct Pit Berm 2030 Total	\$ 100.00 \$ 100.00	2031

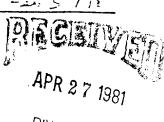
RECEIVED 1998

1	1		}	1	1	<u>)</u> 1		1	]	)	1		)
Table 8.0-2 Cur	nulative Reclama	tion Lis	ability							L			
With Data From				Actual	-	1		Adjustn	nents Per				
Year	Increas		Released	Released	Year	Cumulative	L			Re	evised Year		Cumulative
7041	Liabili		Liability	Liability	Total	Total	inc	urrence	Release	<u> </u>	Total		Total
				Per BWI, 1998		Per 1988 Plan	T			L			er BWI, 1997
1988	196,80		15,800	15,800			I			1		\$	181,0
1988 (post reclan			0	0	181,000	181,000	\$	(19,300)	\$ -	\$	161,700	\$	161,7
1989	0	-	20,400	20,400	-20,400	160,600	\$	•	\$ -	\$	(20,400)		141,3
1990			3,000	3,000	-3,000	157,600	\$	•	\$ -	\$	(3,000)	\$	138,3
1991	200	$\overline{}$		0	200	157,800	\$	•	\$ -	\$	200		138,5
1992	0	-	58,500	58,500	-58,500	99,300	\$	-	\$ -	\$	(58,500)		80,0
1993	80,20	0	2,300	2,300	77,900	177,200	\$	(80,200)		\$	(2,300)	\$_	77,7
1994	200		67,000	0	-66,800	110,400	\$	(200)	\$(67,000)	\$	•	\$	77,77
1995	200	$\dashv$	11,700	11,500	-11,700	98,700	\$	•	\$ (200)	\$	(11,500)	\$	66,2
1996			0	0	0	110,400	\$	80,400	\$ -	\$	80,400	\$	146,6
1997	200		13,200	0	-13,000	85,700	\$	(200)	\$(13,200)	\$	•	\$	146,6
1998	102.2		5,000	5,000	97,200	182,900	\$	(102,000)			(68,200)	\$	78,4
1999	102,2	+	74,100	0	-74,100	108,800	\$	•	\$(74,100)	\$	•	\$	78,4
2000	- 0	<del></del>	0		0	108,800	\$	217,100	\$ -	\$	217,100	\$	295,5
2000	80,20	<del>n</del> +	14,500		65,700	174,500	\$		\$ 77,100	\$	(91,600)	\$	203,9
2001	200		81,300		-81,100	93,400	S	•	\$(81,200)	\$	100	\$	204,0
2002	200		200		-200	93,200	\$		\$ -	\$	(200)	\$	203,8
2003	45,70	<u>n                                    </u>	10,100		35,600	128,800	S	•	\$ 38,400	\$	(2,800)	\$	201,0
2004	88.60		42,200		46,400	175,200	\$	(8,300)	\$(13,100	\$	51,200	\$	252,2
2005	00,00	<del>-</del>	74,400		-74,400	100,800	\$	•	\$ (7,600)	\$	(66,800)	\$	185,4
2008	38.60	<u>n</u>	31,000		7,600	108,400	\$	3,300	\$ 1,300	\$	9,600	\$	195,0
2008	88,50		43,500		45,000	153,400	Š		\$ (1,100	\$	41,300	\$	236,3
2009	00,50	-	74,900		-74,900	78,500	\$	•	\$ 73,500		(148,400)	\$	87,9
2010	0		20,800		-20,800	57,700	\$	•	\$ 8,400	\$	(29,200)		58,7
2012	14,40	<u>n</u>	9,800		4,600	62,300	\$	(14,400)	\$ -	\$	(9,800)	\$	48,9
2012	100		15,200		-15,100	47,200	\$	13,700	\$ 14,500	\$	(15,900)	\$	33,0
2013	100	$\rightarrow$	2.900		-2,900	44,300	\$		\$ -	\$	(2,900)	\$	30,1
2014	80,20	0	0		80,200	124,500	\$	-	\$ -	\$	80,200	\$	110,3
2017	200		74,900		-74,700	49,800	\$	-	\$ -	\$	(74,700)	\$	35,6
2018	0		1600		-1,600	48,200	\$	-	\$ -	\$	(1,600)	\$	34,0
2019	0		5,800		-5,800	42,400	\$	-	\$ (5,800	) \$	-	\$	34,0
2020	77.90	0	22,000		55,900	98,300	\$	•	\$ -	\$	55,900		89,9
2021	0		64,200		-64,200	34,100	\$	•	\$ -	\$	(64,200)		25,7
2022	0		8.400		-8,400	25,700	\$	-	\$ (8,400	) \$	•	\$	25,7
2024	91,60	10	14,700		76,900	102,600	\$	•	\$ -	\$	76,900		102,6
2025	0		72,700		-72,700	29,900	\$	•	\$ -	\$	(72,700)		29,9
2028	0		18,900		-18,900	11,000	\$	•	\$ -	\$	(18,900)	_	11,0
2030	100		0		100	11,100	\$		\$ -	\$	100		11,1
2031	0		100		-100	11,000	\$	•	\$ -	\$	(100)		11,0
2037	0		11,000		-11,000	0	\$	•	\$ -	\$	(11,000)	\$	•

MR-FORM 1 Page 1 of 5

MI. NG APPLICATION No. Act/023/003

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



OIL, GAS & MINING

### NOTICE OF INTENTION TO REVISE MINING OPERATIONS

1.	Name of Applicant or Company: Brush Wellman Inc.
Mental	<u>a corporation</u>
2.	Address: 17876 St. Clair Avenue Cleveland, Ohio 44110
3.	Name and title of person representing Company:
,	Kenneth R. Poulson Vice President Mining and Exploration
	Address: 67 West 2950 South Office Phone: 467-5441 Salt Lake City, Utah 84115
5.	Location of Operations:
<u>, , , , , , , , , , , , , , , , , , , </u>	Juab County
<del>ucono</del>	Sec. 32 T. 12 S., R. 12 W. Sec. 5 T. 13 S., R. 12 W. Sec. 6 T. 13 S., R. 12 W. Sec. 7 T. 13 S., R. 12 W.
-	Sec. 8 T. 13 S., R. 12 W. Sec. 9 T. 13 S., R. 12 W. Sec. 16 T. 13 S., R. 12 W.
6.	Name of Mine: Topaz Mining Property
7.	Mineral to be mined: Beryllium Mining Method: Open-Pit
8.	Have you or any person, Partnership or Corporation associated with you, received an approved Notice of Intention to Commence Mining Operations by the State of Utah for operations other than described herein?
	No

Owner/Owners of record of the surface area within the land to be affected:

Bureau of Land Management, Richfield District, House Range Resource Area

Address: P.O. Box 768. Richfield, Utah 84701

State of Utah, Dept. of Natural Resources, Division of State Lands 231 East 400 South, Salt Lake City, Utah 84111

Owner/Owners of record of minerals to be mined: 10.

Brush Wellman Inc.

Address: 17876 St. Clair, Cleveland, Ohio 44110

Rochester & Pittsburgh Coal

Address: Indiana, Pennsylvania 15701

Automation Industries, Inc.

1901 Building, Century City, Los Angeles, California 90067 Address:

Sidney S. Searle, et al. Address: Orem, Utah 84057

Richard D. Moody and Jean A. Moody Address: Delta, Utah 84624

State of Utah - Division of State Lands Address: 231 East 400 South, Salt Lake City, Utah 84111

Owner/Owners of record of all other minerals within any part of the 11. land affected: Same as above (10)

Have the owners been notified in writing? la. YES

.2. Source of Operator's legal right to enter and conduct operations on land covered by the Notice

> The Laws of the United States - Mining Act of 1872 (1)

State of Utah, Utah State Mineral Leases (2)

Corporate and Individual Mining Lease Agreements (3)

Approximate Acreage to be distributed: **13**.

Mining operation area (include operations, storage and disposal area):

550 - 600 Access Road or Haulageway: acres+ -0-Drainage System: 560 - 615 Total acres: acres+

### MR-FORM 1 Page 3 of 5

- Give the names and post office addresses of every principal Executive, Officer, Partner, (or person performing a similar function) of Applicant:
- Henry G. Piper, Chairman of the Board, Chief Executive Officer and President.

Address: 17876 St. Clair Avenue, Cleveland, Ohio 44110

Raymond A. Foos, Corporate Vice President and President, Beryllium Products Group Address: Same as above

Clark G. Waite, Corporate Vice President, Finance and Secretary Address: Same as above

15. Has Applicant, any Subsidiary or Affiliate or any Person,
Partnership, Association, Trust or Corporation controlled by
or under common control with Applicant, or any Person required
to be identified by Item 14, ever had an approval of a Notice
of Intention withdrawn or has surety relating thereto ever been
forfeited? NO

MR-FORM 1 Page 4 of 5
COUNTY OF Sold lede
COUNTY OF Soit lets
I, Kenneth & Powlson, having been duly sworn
depose and attest that all of the representations contained in the
foregoing application are true to the best of my knowledge; that I
am authorized to complete and file this application on behalf of
the Applicant and this application has been executed as required
Signed: Xin Infanti
Taken, subscribed and sworn to before me the undersigned
authority in my said county, this 3 day of February,
_9 <u>8/</u> _
Notary Public: William B. William D. William D.
My Commission Expires: 8/22/81
PLEASE NOTE:
Section 40-8-13(2) of the Mined Land Reclamation Act provides as Follows:
"Information relating to the location, size, or nature of the deposit and marked confidential

"Information relating to the location, size, or nature of the deposit and marked confidential by the operator shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the operator, or until the mining operation has been terminated as provided in subsection (2) of section 40-8-21."

Is confidential information contained herein?

YES	Time	(Initial)
ИО		(Initial)

MR-FORM 1 Page 5 of 5

Sections desired to be maintained as confidential information:

Section 13; Plate 1 "Topaz Mining Properties;" Plate 2 4/1

"Primary and Secondary Road System Topaz Area;" Plate 3 7/6

"Cross-section Spoils Area"



SCOTT M. MATHESON Governor

**GORDON E. HARMSTON** Executive Director, NATURAL RESOURCES

> CLEON B. FEIGHT Director

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116 (801) 533-5771

April 7, 1981

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON Chairman

JOHN L. BELL C. RAY JUVELIN THADIS W. BOX MAXILIAN A, FARBMAN **EDWARD T. BECK** E. STEELE MoINTYRE

Mr. Kenneth R. Poulson Vice President Mining and Exploration Brush Wellman, Inc. 67 West 2950 South Salt Lake City, Utah 84115

> Topaz Mining Property ACT/023/003 Juab County, Utah

Dear Mr. Poulson:

The Division of Oil, Gas and Mining has reviewed Brush Wellman's revised mining and reclamation plan for its Topaz Mining Property in Juab County and finds that the plan remains in concert with the Utah Mined Land Reclamation Act. As you know, tentative approval for this operation was issued on March 22, 1977 and the notices of publication were made on April 6 and April 14, 1977 as required to solicit public comment. An environmental assessment was presented to the State Environmental Coordinating Committee for comment and subsequently was signed off on May 16, 1977. It is the Division's opinion that the revised plan does not constitute a significant change in the original filing and that republication is not necessary.

In order that final approval may be granted, a surety must be posted by Brush Wellman to cover the estimated cost of reclamation. As we discussed during our meeting of February 3, 1981, it would be very helpful in estimating the amount of surety for the Division to have additional information regarding the mining sequence and areas to be utilized during five year increments. A color coded surface facilities map should satisfactorily fulfill this request. along with a breakdown of the acreages involved.

Mr. Kenneth R. Poulson April 7, 1981 Page Two

As soon as we can reach a mutually acceptable amount and form of surety, the Division will present the arrangement to the Board for its approval. Upon receipt of the surety, the Division can issue final approval to Brush Wellman for its Topaz Mining Property.

If you have any question, please call.

Sincerely,

JAMES W. SMITH, JR.

COORDINATOR OF MINED LAND DEVELOPMENT

JWS/te

cc: Bill Wray,
VanCott, Cornwall, Bagley & McCarthy

Don Pendleton, B.L.M., Richfield

John Blake, State Lands

MR FORM 8 Page 1 of 2



Mine: Topaz Mining Property
File No: ACT/013/003

Submitted by:

Applicant BRUSH WELLMAN INC.

Representative Kenneth R. Poulson

Address 67 West 2950 South
Salt Lake City, Utah
84115

Division of Oil, Gas and Mining 1588 West North Temple Salt Lake City, Utah 84116

Re: Commitment to Rule M-10

Gentlemen:

I hereby commit the applicant to comply with Rule M-10, "Reclamation Standards" in its entirety, as adopted by the Board of Oil, Gas and Mining on March 22n 1978.

The applicant will achieve the reclamation standards for the following categories as outlined from Rule M-10 on all areas of the land affected by this mine, unless a variance is granted in writing by the Division.

	Rule	Category of Commitment
* <del>*</del>	M-10(1)	Land Use
pintes	M-10(2)	Public Safety & Welfare
	M-10(3)	Impoundments
	M-10(4)	Slopes
, and the second	M-10(5)	Highwalls
	M-10(6)	Toxic Materials
gardin.	M-10(7)	Roads and Pads
	M-10(8)	Drainages
	M-10(9)	Structures & Equipment
	M-10(10)	Shafts and Portals
	M-10(11)	Sediment Control
-	M-10(12)	Revegetation
_	M-10(13)	Dams
	M-10(14)	Soils

MR FORM 8 Page 2 of 2

I believe a variance is justified on a site-specific basis for the following subsections of Rule M-10 for reclamation on this mine and have enclosed as an attachment to this letter a narrative statement setting forth a description of the extent of the variance request and factual reasons for said variance request.

Rule	Category of Variance Request (Narrative Attac
consumers of the Consumer and the Consumer	
STATE OF UTAH	
COUNTY OF SALT LAKE	
I, Kenneth R. Poulson	, having been duly sworn depose
and attest that all of the represen	ntations contained in the foregoing application
are true to the best of my knowledge	ge; that I am authorized to complete and file
this application on behalf of the A	Applicant and this application has been executed
as required by law.	
	Signed: Frank
Taken, subscribed and sworn to	before me the undersigned authority in my
said county, this $\frac{1}{\sqrt{2}}$ day of	<u>August</u> , 19 78.
	Notary Public: Dayle & Somas
My Commission Expires:	$\mathcal{U}$
MY COMMISSION EXPIRES JULY 10, 1982	

## Scott M. Matheson RANNINAKRAKRISH Governor

N E. HARMSTON

Executive Director,

4TURAL RESOURCES

CLEON B. FEIGHT

Director



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116 (801) 533-5771

March 22, 1977

OIL, GAS, AND MINING BOARD

GUY N. CARDON Chairman

CHARLES R. HENDERSON ROBERT R: NORMAN I. DANIEL STEWART HYRUM L. LEE

PRECEIVE III

APR 27 1981

DIVISION OF OIL, GAS & MINING

Brush Wellman Inc. Kenneth R. Poulson, Mining Division Manager 67 West 2950 South SLC, Utah 84115

Re: ACT/023/003

Tentative Approval

Dear Mr. Poulson:

We have reviewed your Mining and Reclamation Plan for the Topaz Mining Property and it is our opinion that this operation, as presently described in the plan, is in concert with the Utah Mined Land Reclamation Act. Therefore, we hereby issue tentative approval of this Mining and Reclamation Plan on this date.

We will now publish an abbreviated version of the plan and during the mandatory 30 day waiting period for public comment we will calculate a surety estimate based on the information presented by you in your plan. You will be asked to comment on our surety estimate before we present it to our Board.

We extend our sincere appreciation to you and your co-workers for you full cooperation in this matter and we look forward to working with you in the future.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

BRIAN W. BUCK

ENGINEERING GEOLOGIST

/tlb

MR- FORM 1 Page 1 of 4



MINING	APPLICATION
No.	

DATE:	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

	NOTICE OF INTENTION TO COMMENCE MINING OPERATIONS
1.	Name of Applicant or Company: Brush Wellman Inc.  a corporation
2.	Address: 17876 St. Clair Avenue Cleveland, Ohio 44110
3.	Name and title of person representing Company:
	Kenneth R. Poulson Mining Division Manager
<b>4.</b>	Address: 67 West 2950 South Office Phone: 467-5441 Salt Lake City, Utah 84115
5.	Location of Operations:
	Juab County
	Sec. 32 T. 12 S., R. 12 W. Sec. 5 T. 13 S., R. 12 W.

Sec. 32 T. 12 S., R. 12 W. Sec. 5 T. 13 S., R. 12 W. Sec. 6 T. 13 S., R. 12 W. Sec. 8 T. 13 S., R. 12 W. Sec. 9 T. 13 S., R. 12 W. Sec. 16 T. 13 S., R. 12 W.

- 6. Name of Mine: Topaz Mining Property
- 7. Mineral to be mined: Beryllium Mining Method: Open-Pit
- 8. Have you or any person, Partnership or Corporation associated with you, received an approved Notice of Intention to Commence Mining Operations by the State of Utah for operations other than described herein?

No

MR FORM 1 Page 2 of 4

> Owner/Owners of record of the surface area within the land to be 9. affected:

Bureau of Land Management, Salt Lake District, West Desert Address: 125 So. State, Salt Lake City

State of Utah, Dept. of Natural Resources, Division of State Lands State Capitol, Salt Lake City

Owner/Owners of record of minerals to be mined: 10.

Brush Wellman Inc.

17876 St. Clair, Cleveland, Ohio Address:

Rochester & Pittsburgh Coal

Address: Indiana, Pennsylvania 15701

Automation Industries, Inc.

Address: 1901 Building, Century City, Los Angeles, California 90067

Sidney S. Searle, et al Address: Orem, Utah 84057

State of Utah - Division of State Land

Address: State Capitol Building, State Land

Owner/Owners of record of all other minerals within any part of the 11. land affected: Same as above (10)

Have the owners been notified in writing? YES 11a.

12. Source of Operator's legal right to enter and conduct operations on land to be covered by the Notice

> (1)The Laws of the United States - Mining Act of 1872

(2) State of Utah, Utah State Mineral Leases

Corporate and Individual Mining Lease Agreements

13. Approximate Acreage to be distributed:

> Mining operation area (include operations, storage and disposal area):

> > -0-

15 acres+

500 - 550 acres+ 10 -Access Road or Haulageway: Drainage System:

acres+ Total acres: 500 - 550 acres+ 14. Give the names and post office addresses of every principal Executive, Officer, Partner, (or person performing a similar function) of Applicant:

Robert W. Biggs, Chairman of the Board and Chief Executive Officer Address: 17876 St. Clair Avenue, Cleveland, Ohio 44110

Henry G. Piper, President Address: Same as Above

Dr. Raymond Foos, Sr. Vice President

Address: Same as Above

Leslie W. Wiles, Vice Chairman

Address: Same as Above

15. Has Applicant, any Subsidiary or Affiliate or any Person, Partnership, Association, Trust or Corporation controlled by or under common control with Applicant, or any Person required to be identified by Item 14, ever had an approval of a Notice of Intention withdrawn or has surety relating thereto ever been forfeited?

MR FORM 1 Page 4 of 4

STATE OF UTAH

COUNTY OF SALT LAKE

I, Kenneth R. Poulson, having been duly sworn depose and attest that all of the representations contained in the foregoing application are true to the best of my knowledge, that I am authorized to complete and file this application on behalf of the applicant and this application has been executed as required by law.

Signed: Kenneth R. Poulson

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 15 day of Man, 19 77.

Notary Public: Jaylohusan

DMMISSION TOTAL

My Commission Expires:

Section II

**Financial Assurance** 

· •	
FORM MR-RC Revised January 7, 1999	File Number
RECLAMATION CONTRACT	Effective Date
	Other Agency File Number
STATE	OF UTAH
DEPARTMENT OF NA	ATURAL RESOURCES
·	GAS and MINING Temple Suite 1210
va.	45801
Salt Lake City, U	
_ (801) 53	38-5291 359-3940
1 ax. 10017	333-3340
•	
RECLAMATIO	N CONTRACT
ooC	
	•
For the purpose of this RECLAMATIO as follows:	N CONTRACT the terms below are defined
"NOTICE OF INTENTION" (NOI): (File No.)	M/023/003
(Mineral Mined)	BertrandiTe
"MINE LOCATION":	
(Name of Mine)	Topaz Mining Properties
(Description)	Section 31 \$ 32, TI2S RIZW SLBM
_	Section 4,5,6,7,8,9,10,16 and 17 T135, R12W S1BM
	110000 3/13/1
"DISTURBED AREA":  (Disturbed Acres)	1189.0 Plus 22.0 Additional
(Legal Description)	1/89.0 Plus 22.0 Additional Irefer to Attachment "A")
•	

"OPERATOR":

(Company or Name) (Address)

(Phone)

"OPERATOR'S REGISTERED AGENT": (Name) (Address)	
(Phone)	
"OPERATOR'S OFFICER(S)":	
"SURETY": (Form of Surety - Attachment B)	Self Bonding and Indemnity Agreement Supplemental Surety Bond
" · "SURETY COMPANY": (Name, Policy or Acct. No.)	N/A
"SURETY AMOUNT": "Supplemental"  (Escalated Dollars) Maximum Es	scalated Bonding Requirements 1988 Revision 311,300 Bonding Requirements 1948 Amendment 179,400 Calated Bonding Requirements 1998 Amendment 490,70
"ESCALATION YEAR": ?	2004 (Letter Dec 21, 1988)
- "STATE": "DIVISION": "BOARD":	State of Utah  Division of Oil, Gas and Mining  Board of Oil, Gas and Mining
ATTACHMENTS: A "DISTURBED AREA": B "SURETY":	
This Reclamation Contract (hereinafter into between	nc the "Operator" and
WHEREAS, Operator desires to conduct Intention (NOI) File No. M/023/003 who State Division of Oil, Gas and Mining under the Sections 40-8-1 et seq., Utah Code Annotated referred to as "Act") and implementing rules; a	ich has been approved by the Utah Utah Mined Land Reclamation Act, , (1953, as amended) (hereinafter
WHEREAS, Operator is obligated to recision Disturbed Area as set forth and in accordance	

an, and Operator is obligated to provide surety in form and amount approved by the Division, to assure reclamation of the Disturbed Area.

Revised January 7, 1999 Form MR-RC

NOW, THEREFORE, the Division and the Operator agree as follows:

1.	Operator agrees to conduct accordance with the Act a				
	Notice of Intention dated _	February	3 1981	, and the original	
	Reclamation Plan dated	same,		The Notice of	
	Intention as amended, and the Reclamation Plan, as amended, are				
	incorporated by this reference and made a part hereof.				

Revised Morch & 1989

- 2. Concurrent with the execution hereof, Operator has provided surety to assure that reclamation is conducted, in form and amount acceptable to the Division. Such surety as evidenced by the Surety Contract is in the form of the surety attached hereto as Attachment B and made a part hereof. The Surety Contract shall remain in full force and effect according to its terms unless modified by the Division in writing. If the Surety Contract expressly provides for cancellation, then, within 60 days following the Division's receipt of notice that the Surety Company intends to cancel the Surety Contract, the Operator shall provide a replacement Surety Contract in a form and amount reasonably acceptable to the Division. If the Operator fails to provide an acceptable replacement Surety Contract, the Division may order the Operator to cease further mining activities and to begin immediate reclamation of the Disturbed Area.
- 3. Operator agrees to pay legally determined public liability and property damage claims resulting from mining to the extent provided in Section 40-8-7(1)(e) of the Act.
- 4. Operator agrees to perform all duties and fulfill all reclamation requirements applicable to the mine as required by the Act and implementing rules, the Notice of Intention, as amended and the Reclamation Plan, as amended.
- 5. The Operator's liability under this Contract shall continue in full force and effect until the Division certifies that the Operator has reclaimed the Disturbed Area in accordance with the Act and implementing rules, the Notice of Intention, as amended and the Reclamation Plan, as amended.
- 6. If reclamation of discrete sections of the Disturbed Area is completed to the satisfaction of the Division, and the Division finds that such sections are severable from the remainder of the Disturbed Area, Operator may request the Division to certify that Operator has reclaimed such discrete sections of the Disturbed Area in accordance with the Act and implementing rules, the Notice of Intention, as amended and the Reclamation Plan, as amended. If the Division makes such certification, Operator may make request to the Division that the aggregate face

### ATTACHMENT "A"

BRUSH WELLMAN INC.	TOPAZ MINING PROPERTY		
Operator	Mine Name		
M/023/003	JUAB	County, Utah	
Permit Number			

### The legal description of lands to be disturbed is:

Rainbow #2: the NW1/4, NE1/4, SW1/4, and SE1/4 of the NW1/4 of Section 9 in T13S, R12W, SLM.

Section 16 S#1: the NE1/4 and the SE1/4 of the NW1/4 and in the NW1/4 and SW1/4 of the NE1/4 of Section 16 in T13S, R12W, SLM.

Page 7 of 7 Revised January 7, 1999 Form MR-RC



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.

Division Director

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

December 21, 1988

Mr. Kenneth Poulson
Vice President
Mining and Exploration
Brush Wellman Incorporated
67 West 2950 South
Salt Lake City, Utah 84115

Dear Mr. Poulson:

Re: Reclamation Bonding, Topaz Mine, M/023/003, Juab County, Utah

Thank you for meeting with us last Tuesday, December 20, 1988.

As discussed during our meeting, the revised bond amount for the urrent 15 year period will be \$311,300. This is based on the following:

Maximum cumulative liability (15 years) and 10% Supervision Cost \$201,200

10% Contingency \$20,100

Escalation at 2.3% per year \$90,000 \$311,300

This amount covers the first 15 year period from 1988 until the year 2004. The bond would be revised each 15 year period, using the same formula.

We look forward to working with you further in completing the bonding, and finalizing your permit application.

Sincerely,

Lowell P. Braxton Administrator

Minerals Resource Development and Reclamation Program

jb MN5/55 State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

### SELF BONDING AND INDEMNITY AGREEMENT

(CORP)	
	This Self Bonding and Indemnity Agreement (hereinafter referred (hereinafter referred to as " <b>Brush</b> "
_	to as "Agreement") entered into by <u>Brush Wellman Inc.</u> and
,	the state of Utah, Department of Natural Resources, Board of Oil,
	Gas and Mining (hereinafter referred to as "Board"),
<del>jiih</del> q	WITNESSETH
	WHEREAS, Brush has obtained Permit
-	p. M/023/003 from the Division of Oil, Gas and Mining to
pares.	operate the <u>Topaz</u> Mine in <u>Juab</u> County, Utah
	as a(n) open-pit beryllium mine under the Mined Land Reclamation
-	Act, Utah Code Annotated, 40-8-1 et seq, 1953, as amended ("Act")
<u> </u>	and implementing regulations; on the premises specifically described
	in EXHIBIT A; and
pp.	WHEREAS, Brush wishes to obtain a bond
	to operate a(n) Open-pit beryllium mine under Permit No. M/023/003
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	under 40-8-14(3); and
	WHEREAS, Brush has designated
	Kenneth R. Poulson, Vice-President, Mining & Exploration, Brush Wellman Inc.
-	(Name, Title, Address)
	7 West 2950 South, Salt Lake City, UT 84115
	as its agent for Service of Process in the state of Utah, and

Page 2

WHEREAS, Brush has been in continuous
operation as a business entity for the last five years; and
WHEREAS, Brush meets financial
criteria for self bonding (as shown in the xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
- WHEREAS, <u>Brush</u> has submitted to the
Division of Oil, Gas and Mining and Board financial statements which
are accompanied by an audit opinion prepared by Ernst & Whinney  Brush Wellman Inc.
as contained in the 1987 Annual Report (Exhibit "B" to (Accountant's Name)  Self Bonding Qualifications Sheet.)  NOW, THEREFORE, in consideration of the premises and other good
valuable consideration, the sufficiency and receipt of which is
hereby acknowledged, <u>Brush</u> does
hereby agree to be held and bonds to the Board for the sum
_of _\$311,300 ;for the timely performance of reclamation
responsibilities for Topaz Mine, Permit
No. M/023/003 in lawful money of the United States. By the
submission of this Agreement, Brush
will and truly binds itself, its successors and assigns, jointly and
"severally, by these presents.
The conditions of the above obligations are such that:
l. <u>Brush</u> shall perform all duties
and fulfill all requirements applicable to reclamation as
set forth in the Act, the regulations adopted pursuant to

	the Act and the conditions of the permit to conduct
<b>×</b>	open-pit beryllium mining operations, Permit
	No. M/023/003 issued by the Division.
2.	of Brush The liability under the Agreement is conditioned upon
NAME .	successful reclamation of the permit area as provided in
	the reclamation plan for Permit No. M/023/003 for a
astrie.	period of time and in the manner specified in the Act,
-	regulations adopted pursuant thereto, and the conditions
erven	set forth in Permit No. M/023/003 issued by the
re-a	Division. At no time shall the liability or responsibility
	of Brush hereunder exceed the sum
l to more than the second of t	of \$311,300 Provided, however, that
grading.	the Board may adjust the amount of liability hereunder as
	provided in Section 6 hereof.
3.	Brush does hereby agree to
	indemnify and hold the Board harmless from any claim,
guenn	demand, liability costs, charge or suit brought by a third
	party, as a result ofBrush's
	failure to abide by the terms and conditions of the
	Reclamation Plan as set forth in the mining Permit
grea,	No. M/023/003 and from any failure to comply with the
	terms of the Agreement.
4.	The Board shall give, or its
-	designated agent herein, notice of any claim and any legal
<del>इन्हें क</del> ि	proceedings within the scope of the indemnity set forth at
gardin.	Section 3

Mag.	5.	Upon successful completion of part or all of the obligations				
		secured hereby, <u>Brush</u> may petition				
<del>V</del>		the Board for a final release of part or all of the				
		obligations under this Agreement. Upon such petition, the				
		Division of Oil, Gas and Mining shall conduct an inspection				
AND THE RESIDENCE OF THE PERSON NAMED IN COLUMN 1		to ascertain whether duties and obligations of Brush				
		under the Act, regulations				
ggam		adopted pursuant thereto and Permit No. M/023/003 have				
		been fulfilled. If such duties and obligations have been				
	fulfilled, the Board shall release Brush					
****		from part or all of its obligations under				
		this Agreement and shall file a notice of such release in				
		the property records of <u>Juab</u> County, Utah.				
***	6.	This Agreement shall be reviewed periodically by the				
		Division of Oil, Gas and Mining, or reviewed upon petition				
grina,	•	by Brush in accordance with the				
****		Act and implementing regulations and the amount of				
	liability under this Agreement may be adjusted if th					
-		Division determines that the cost of future reclamation has				
		materially changed.				
	7.	This Agreement may be terminated upon 90 days prior written				
entin		notice to the Board if terminated by Brush				
		or upon 90 days prior written notice to				
<b>~~</b>	Brush if terminated by the					

)	·
•	Chairman Board of Oil, Gas and Mining
Date	By Gregory P. Williams
APPROVED AS TO FORM:	
Assistant Attorney General	_
STATE OF Ohio )	s •
COUNTY OF	, 198 <u>9</u> , personally appeared
pefore me <u>C. G. Waite</u>	
Deing by me duly sworn did say the  C. G. Waite is the	Vice President & Chief Financia
	id M. C. Hasychak is
the Ass't Treas. & Ass't Secy of and said instrument was signed in	behalf of said corporation by
and said <u>C. G. Waite</u> and	•
acknowledged to me that said corp	
	Diare M Barber
SEAL	Notary Public /

age 6

DIANE M. BARBEN Notary Public, State of Ohio Recorded in Cuyahoga County My Comm. Expires 10-23-90

## Section III

Solid Waste Annual Landfill Report 2002

Mail to:	Date Entered:
Dennis R. Downs, Director	
Division of Solid and Hazardous Waste P.O. Box 144880	
Salt Lake City, Utah 84114-4880	
	NDFILL ANNUAL REPORT
<del></del>	eneral Information
	information requested in the space provided below, including erson who can answer questions regarding this report.
Calendar or fiscal year of report:	January 1 - December 31, 2001
	d covered: From To
Facility Name: <u>Brush Resources</u> Facility Mailing Address: P.O. Bo	
	ox 815 et, Box and/or Route)
	zah Zip Code <u>: 84624</u>
Facility Location	County: <u>Juab</u>
T. <u>13S</u> , R <u>. 12W</u> , Sec <u>. 8</u>	NE 1/4 of NF 1/4
Lat. 39 ° 42 ′ 35 ″N, Long.	<u>113 ° 12 ′ 54 </u> "W
Contact's Name: Dan Perry	Phone No. <u>:(435) 864-2701</u>
Title: Environmental Health and Saf	fety Manager
Contact's Mailing Address: P.O. E	Box 815 Delta, Utah 84624
Owner	
	Phone No.: <u>( 435 ) 864-2701</u>
Mailing Address: P.O. Box 8	
	er & Street, Box and/or Route) Utah Zip Code: 84624
Oity. Deita , Otate.	Otan Zip Gode. 04024
<u>Operator</u>	
Name:	Phone No.:( )
(if different from Owner a Mailing Address:	bove)
(Number	er & Street, Box and/or Route)
City:, State <u>:</u> _	Zip Code:
Permit Information To insure complete record	is and proper filing please complete the following.
Permit No.: PENDING	Permit Date:
(If permit was issued after 19	(Date permit was signed)
Facility Type*	
[] Class I	[X] Class IIIb [] Class V
[] Class II	[] Class IVa
[ ] Class IIIa	[ ] Class IVb

Facilit	y Status  [X] Currently in Operation  [] Closed - Date:  (The "Closed - Date" is the date that the landfill final cover construction was completed and will become the date that the 30 year post-
	closure care period begins)
	Part II - Other Information
Annua	al Disposal
	Tons disposed in reporting period: <7.5 or cubic yards:
	Tons per day: <0.02 Tons recycled: (Total tons divided by 365)
	Disposal capacity remaining at the site using one or more of the following measures: (Please base capacity on those provided to the Division of Air Quality if this estimate has been made)
	Years: 20 Cubic Yards:
	Acres: Tons:
Other	Required Reports
	<u>Financial Assurance</u> : Each facility must recalculate the cost of closure and post-closure care to account for inflation and design changes each year. The recalculation, along with proof that the new cost estimates are fully covered by the assurance mechanism currently being utilized, must be submitted. <b>Brush Resources Inc. will submit this information upon permit issuance.</b> Note Facilities using "Local Government Financial Test" must provide the information required in R315-309-3(7)(d)
	Ground Water Monitoring: Each facility must submit a ground water monitoring report which contains water elevations, sampling results and statistical analyses, unless the facility has a ground water monitoring exemption or is a Class II landfill.  Please indicate if exempt from ground water monitoring: X
	Explosive Gas Monitoring: A gas monitoring report must be included unless the facility is a Class II, IV landfill or has an exemption.  Please indicate if exempt from gas monitoring: X
	<u>Training Report:</u> A report of all training programs or procedures completed by facility personnel during the year.
Signa	ture: Jam for Pan Perry Date: 2-25-02
	"Class I landfill" means a municipal landfill or a commercial landfill solely under contract with a local government taking municipal waste generated within the boundaries of the local government and receiving, on a yearly average, over 20 tons of solid waste per day.
	"Class II landfill" means a municipal landfill or a commercial landfill solely under contract with a local government taking municipal waste generated within the boundaries of the local government and receiving, on a yearly average, 20 tons, or less, of solid waste per day.
	"Class III Landfill" means a non-commercial landfill that is to receive only industrial solid waste, but excluding farms and ranches.  Class IIIa may receive conditionally exempt small quantity generator waste, Class IIIb may not
	"Class IV landfill" means a landfill that is to receive only construction/demolition waste, yard waste, inert waste, dead animals, or upon meeting the requirements of Subsection R315-320-3(9)(c), materials derived from used tires but excluding inert demolition waste used as fill material.  Class IVa may receive conditionally exempt small quantity generator waste, Class IVb may not

"Class V landfill" means a commercial landfill which receives any nonhazardous solid waste for disposal. Class V landfill does not include a landfill that is solely under contract with a local government within the state to dispose of nonhazardous solid waste generated within the boundaries of the local government.

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